

## REMARKS

The Examiner is thanked for the thorough examination of the present application and the withdrawal of the previous rejections. The present Office Action, however, has continued to reject all pending claims 39-44 and 46-53 based on new grounds. Specifically, claims 39-44, 46, 47 and 50-53 are rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over Yamamoto et al. (US Pat. 4,560,737) in view of Chou et al. (US Pat. 2003/0054716) and Mizayaki. Claims 48 and 49 are rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over Yamamoto et al. in view of Chou et al. and Mizayaki and further in view of Allen (US 5,610,455).

### **Rejections Under 35 U.S.C. 103(a) to claims 39-44, 46, 47 and 50-53**

Claims 39-44, 46, 47 and 50-53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto et al. (US Pat. 4,560,737) in view of Chou et al. (US Pat. 2003/0054716) and Mizayaki(US 4,560,737).

In order for a claim to be properly rejected under 35 U.S.C. §103, the teachings of the prior art reference must suggest all features of the claimed invention to one of ordinary skill in the art. See, e.g., *In re Dow Chemical*, 837 F.2d 469, 5 U.S.P.Q.2d 1529, 1531 (Fed. Cir. 1988); *In re Keller*, 642 F.2d 413, 208 U.S.P.Q. 871, 881 (C.C.P.A. 1981).

Independent claim 39 recites:

39. An electret composite, comprising:  
a porous substrate; and  
an electret coated on the substrate along the porous profile thereof, the electret having a first polymer copolymerizing from monomers having vinylidene fluoride (VdF) as a first monomer, hexafluoropropylene (HFP), chlorotrifluoro ethylene (CTFE), tetrafluoro ethylene (TFE), or combinations thereof as a second

monomer, and ***a third monomer including glyceryl methacrylamide, acrolein or combinations thereof.***

(*Emphasis added*). Claim 39 patently defines over the cited art for at least the reasons that the cited art fails to disclose the features emphasized above.

As expressly recited, the electret composite of claim 39 comprises an electret having a first polymer copolymerizing from monomers having a first monomer, a second monomer, and a third monomer including glyceryl methacrylamide, acrolein or combinations thereof.

In page 4, the Office Action alleged that:

Yamamoto, as modified by Chou, is silent as to teaching third monomer comprising cyclohexyl vinyl ether.....methyl methacrylate.....or combinations thereof as claimed. However, Mizayaki discloses a coating composition comprising a fluorine-containing copolymer and a fluorine-containing copolymer of polyfluorocarbon chain-containing monomer with a hydrophilic group-containing monomer.

However, Yamamoto, Chou and Mizayaki fail to disclose an electret having a first polymer copolymerizing from monomers having a first monomer, a second monomer, and a third monomer including glyceryl methacrylamide, acrolein or combinations thereof, as now defined by amended claim 39. Therefore, Applicant submits the teachings of the prior art references do not disclose all features of the claimed embodiment to one of ordinary skill in the art, and the rejection should consequently be withdrawn.

For at least the foregoing reasons, claim 39 patently defines over the cited art. Insofar as claims 40-44, 46, 47, and 50-53 depend from claim 39, these claims are also allowable at least by virtue of their dependency. *In re Fine*, 837 F.2d 1071, 5 U.S.P.Q.2d 1596, 1600 (Fed. Cir. 1988).

**Rejections Under 35 U.S.C. 103(a) to claims 48 and 49**

Hence it is believed that the claim 39 is allowable over the cited reference. Insofar as claims 48 and 49 depend from claim 39 respectively, it is the Applicant's belief that claims 48 and 49 are also allowable at least by virtue of their dependency.

If the Examiner believes a teleconference will expedite the examination of this application, the Examiner is invited to contact the undersigned attorney at 770-933-9500.

No fee is believed to be due in connection with this submission. If, however, any fee is deemed to be payable, you are hereby authorized to charge any such fee to deposit account 20-0778.

Respectfully submitted,

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